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DA INTELLIGENCE REPORT <small>(Use this form only in accordance with instructions)</small>		<b>CONFIDENTIAL</b>		COUNTRY REPORTED ON CSR
SUBJECT Uranium Mining in the CSR (C)		DATE OF REPORT 6 MAY 58		
SUMMARY Downgrading data cannot be predetermined.				
<p><u>Of information:</u> On 1 Jan 57, the Soviets formally turned over administration of uranium mines to the CSR. The mines are administered from the Main Directorate at JACHYMOV, and regionally by sub-offices, known as "Oblasts". All ore, after upgrading at ore processing plants, is shipped to the USSR. Mining operations are constantly expanding. About 30,000 workers are employed in the JACHYMOV area alone; about 10,000 work in the PRIBRAM area.</p> <p>Report lists many of the mine Oblasts; and describes the Oblasts at PRIBRAM and MARIANSKE LAZNE, including location of mines in operation, and details on Oblast organization, output, system of grading ores, and personalities. 50X1-HUM</p>				
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Uranium Mining in the CSR (C)COORDINATES - CZECHOSLOVAKIA

BYTIZ (UTM 33 UVR 3303)  
 CHOTEBOR (UTM 33 UWR 4808)  
 HORNI SLAVKOV (UTM 33 UUR 4456)  
 HORNI ZDAR (UTM 33 UWR 6295)  
 HORAZDOVICE (UTM 33 UVQ 0664)  
 HLUBOS (UTM 33 UVR 2911)  
 JACHYMOV (UTM 33 UUR 5282)  
 KAMENNA (UTM 33 UVQ 2798)  
 KLADSKO ("KLADSKO" is the name of an area in the vicinity of  
 KONIGSWART, UTM 33 UUR 3042)  
 LESETICE<sup>33</sup> (UTM/UVR 2900)  
 MARIANSKE LAZNE (UTM 33 UUR 3232)  
 NEJDEK (UTM 33 UUR 3877)  
 NOVE SIDLISTE (UTM 33 UVR 2804)  
 PEZINOK (UTM 33 UXP 6850)  
 PRAGUE<sup>33</sup> (UTM/UVR 6147)  
 PRIBRAM (UTM 33 UVR 2805)  
 SPISSKA NOVA VES (UTM 34 UDV 6922)  
 TRUTNOV (UTM 33 UWS 6402)  
 VITKOVICE (UTM 34 UCA 0221)  
 VYKMANOV (UTM 33 UUR 6385)

REPORT1 The Main Directoratea. Name

The Main Directorate of the CSR uranium mining enterprise is located in JACHYMOV. The formal name of the headquarters is Jachymov Mines, National Enterprise (Jachymovske Doly, Narodni Podnik). The words "National Enterprise" were added on 1 Jan 57.

b. Location (See Incl 2)

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The Headquarters occupies about four small hotels (Pensions) in JACHYMOV on the same street, the name of which is not known by source. Each hotel has between three and five floors.

c. Transfer to Czech Administration

On 1 Jan 57, the Czechs took over all leading positions from the Soviets. Under terms of the Soviet-Czech agreement, signed in 1956, the Soviets were to remain after 1 Jan 57 in an advisory capacity only. They were to exercise no official function. However, among the uranium mine workers, it was a question whether the Czech officials or the Soviet advisors have exercised the actual authority since the cut-off date for the inauguration of Czech management.

d. Subordination

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Neither the Army, the State Secret Police, nor any construction firms were connected with the uranium program.

the Ministry for Minerals was involved in some way in the uranium program. When an exploration unit was blasting, a representative of the above Ministry was an observer.

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e. Organization and Mission (see Incl 3)

The Main Directorate is responsible for all uranium mining in the CSR. It exercises direct control over the regional mining administrations, called "Oblasts" (formerly called "Inspectorates"). It operates the ore processing plants; these are not subordinate to the "Oblasts", but directly to the Main Directorate. In addition, the Main Directorate administers directly the following offices:

- (1) The Exploration Section, which has the mission of locating uranium ore in the CSR. Number of sub-sections not known.
- (2) The Test Drilling Section, which has the mission of drilling and testing for uranium ore. Number of sub-sections not known.
- (3) The Mine Drilling Section, which has the mission to drill mines and to prepare mines for extraction of ore. A sub-section of this office is located in each Oblast. Oblast PRIBRAM'S Section is located at HLUBOS. Locations of other field offices of the Mine Drilling Section are not known by source.
- (4) The Construction Section, which has the mission to erect workers' homes, and office buildings, and to build roads and special projects.

f. Payment for Uranium at Governmental Level (see Incl 4)

All Czech uranium goes to the USSR. No data on over-all output of the CSR uranium mines was available to source.

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Prior to 1 Jan 57, the Soviets owned and operated the uranium mines in the CSR. At that time, the Soviets paid all employees, and the CSR received no payments for uranium. Since 1 Jan 57, when the Czechs took over control of the mines, all uranium has been shipped to the USSR. However, the member states of the WARSAW Pact now make payments for Czech ore direct to the Czechoslovak State Bank (Ceskoslovenska Statni Banka) in PRAGUE. A Commission for the use of uranium by the WARSAW Pact nations, for defense, has been set up in the USSR, and this Commission decides what amounts each nation must pay to the uranium producing countries based on the supply of uranium and the proportional share of defense costs. Example: The CSR is responsible for a proportionate share of the cost of uranium being used by the WARSAW Pact countries for defense. If the CSR's supply of uranium into the WARSAW Pact stockpile is greater in value than its share of cost, then other member nations with an unfavorable balance will pay the CSR. From conversations with other workers, source came to the conclusion that four WARSAW Pact countries produce more than their uranium quota (USSR, GDR, CSR, Hungary) and that Poland, Rumania, Bulgaria and Albania produce less than their "quota". He has no factual basis for this assumption.

g. Future of the Uranium Program in CSR

the uranium program will continue to be expanded for several years because of and hearsay information relative to the increase in the number of workers, increase in mine drilling, great uranium ore reserves, increase in construction of miners' homes, offices, and the proposed new processing plant at PRIBRAM. Source is certain that there are enough uranium reserves to continue mining for from 20 to 30 years.

2. The Regional Mining Administrations, or "Oblasts"

The following Oblasts, or regional uranium mining administrations, are subordinate to the Main Directorate. Formerly, when these Oblasts were called Inspectorates, they also had a Roman numeral designation, meaning of which is not known by source.

a. In the Jachymov Area

In the JACHYMOV area, there are three Oblasts whose exact names are not known. there is mining at VYKMANOV, and one of the Oblasts is located there. These Oblasts combine to make the JACHYMOV area the oldest and the largest uranium mining area in the CSR. Mining operations began in 1947, and there are approximately 30,000 workers employed in these three Oblasts. (Of these, about 3,000 were prisoners, as of 1955.) The mission of the Oblast is to mine the uranium ore in its territory and to transport this ore to the Processing Plants. Each Oblast has the same mission.

b. Oblast PRIERAM

JACHYMOV Mines, National Enterprise, Oblast PRIBRAM (JACHMOVSKE Doly, Narodni Podnik, Oblast PRIBRAM) began mining operations in 1950, has expanded steadily, and in Sept 57 employed approximately 10,000 workers (of these, approximately 6,000 were working in the mines). The Oblast planned to double this employment figure by 1960. The PRIBRAM Oblast is presently the

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second largest in size; it had 12 mines in operation, 5 mines prepared for mining operations, and 4 mines being prepared for mining operations (source believes some of these 9 mines are being worked by now). Quality of the uranium ore in this Oblast is very high, and it is commonly believed by miners that this ore is the best uranium ore in the CSR. Consequently, PRIBRAM appears to have the most promising future among the Oblasts. (For details see paragraph 4.)

c. Oblast HORNÍ SLAVKOV

Oblast HORNÍ SLAVKOV began mining operations in 1948, is one of the oldest mining areas, and is presently the third largest in size. It has approximately 10 to 15 mines in operation, but does not appear to be earmarked for expansion, since some mines have been closed out and no new mines have been drilled.

d. Oblast MARIÁNSKÉ LAZNE

Oblast MARIÁNSKÉ LAZNE began mining operations in 1952. In Sept 57 it had approximately 4,500 employees (of these, approximately 3,500 were working in the mines). There were five mines in operation. Quality of the ore has been inferior in comparison with PRIBRAM's ore. However, because the reserve deposits are great, and because the quality of the ore in the reserves is higher than that presently mined, expansion was expected and mining was to continue here for approximately 20 years. (For details, see paragraph 5.)

e. Oblast CHOTEBOŘ

Oblast CHOTEBOŘ began mining operations in 1956. It is a small Oblast, but is still drilling new mines.

f. Oblast TRUTNOV

Oblast TRUTNOV began mining operations in 1952. It is a small Oblast, and employs approximately 2000 to 3000.

g. Oblast HORÁZDOVICE

Oblast HORÁZDOVICE began mining operations in 1956. It is a small Oblast, but is still drilling new mines.

h. Oblast SPISKA NOVA VES

Oblast SPISKA NOVA VES began mining operations in 1954. This area is located in Slovakia.

i. Mining in other Parts of CSR

According to a newspaper article in Bohemia, Nr 77, pg 3, which is published monthly in MUNICH by the Czechoslovak Democratic Federalists, new uranium ore deposits have been discovered in the areas of DRAHANSKÉ Vysocine, near PEZINOK, and SPISKA NOVA VES.

3. Ore Processing Plants

Source's knowledge of ore processing plants is based on hearsay, mostly from conversations with a man with whom he shared a room in 1956, who had formerly worked in a processing plant. The roommate had worked a short time

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at the ore processing plant in HORNI ZDAR and at the plant in NEJDEK. He left the plants because of the unhealthy work involved in some of the processing operations.

The processing plants are directly subordinate to the Main Directorate at JACHYMOV, and not to any individual Oblast. The plants receive ore from the mines, process the ore, and ship the upgraded uranium to the USSR by rail. No details on shipment are known.

only three ore processing plants, one at or near HORNI ZDAR, one at or near NEJDEK, and one at or near HORNI SLAVKOV.

the mines in Bohemia ship their ores to these plants, and no individual Oblast ships exclusively to any one processing plant. the mines of Oblast PRIBRAM sent their ore to all three of the processing plants without discrimination as to quality of ore.

a new ore processing plant is planned for construction in Oblast PRIBRAM in 1958, and this plant, like the others, will be directly subordinate to the Main Directorate at JACHYMOV.

ore processing plants must be one in Slovakia to process the ores of that area, and possibly also one in Moravia.

#### 4. Oblast PRIBRAM

##### a. Mines of Oblast PRIBRAM (see Incl 6)

(1) Mine #6 began mining operations in 1951. It has employed approximately 1200 workers for the past two years. The mine is about 380 m deep, has seven levels, and will expand to about 13 levels (total) during the next five years. After that it will be possible to expand about seven additional levels if the uranium ore is of good quality. All mines operate three shifts. A level can be from four to five km long. one level six km long.

(2) Mine #5 began mining operations in 1950. It has employed from 1,000 to approximately 1,100 workers during the past two years. The mine is approximately 360 m deep. It has seven levels and will expand.

(3) Mine #9 began mining operations in 1952. It employs about 1,200 workers, is about 360 m deep, has six levels, and will expand.

(4) Mine #15 began mining operations in 1956. It employs about 200 workers. It employed about 300 to 400 in 1955, while still undergoing construction. The mine is about 100 m deep, has two levels, and will expand.

##### b. Location of Oblast Headquarters (see Incl 5)

The headquarters of Oblast PRIBRAM is located in the city of PRIBRAM on Dobriesska Ulice (Dobriesska Street), street number unknown. The headquarters

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occupies a building which has three sectional divisions, each having three floors.

The Directorate for Oblast PRIBRAM is responsible for the mining operations in the Oblast. The Oblast receives instructions and requirements from the Main Directorate in JACHYMOV.

c. Nearby Laboratory

Nearby (see Incl 6) is the Research Institute Ore Laboratory (Vyzkumny Ustav Rud Laboratore). Source first saw the name of this establishment in Oct 56 on the fence which encloses this laboratory. The laboratory is a two story building, and has a two m steel fence around it. Whether there is any relationship with the Oblast or with the CSR uranium enterprise and this laboratory is not known by source. A Security Corps (SNB - Sbor Narodni Bezpecnosti) building is also located nearby.

d. Organization and Responsibilities

(1) The Political Officer is a high ranking Communist, who has duties similar to those of an efficiency expert. In addition, he listens to and judges employees' complaints, and he keeps an observant eye on other mine officials and workers for anti-communist views and activities. The Political Officer may change a worker's assignment, or he may fire him. To assist him, the Political Officer has agents among the mine employees, who report secretly to him. The identities of these agents are unknown to other officials or workers. The Political Officer is not responsible or subordinate to the Directorate at PRIBRAM, but he is directly responsible to the Political Officer at the Main Directorate in JACHYMOV.

(2) The Plans Section breaks down the norm for the Oblast into norm per mine, and maintains records on production and fulfillment of norms.

(3) The Mining Section is responsible for the actual mining operations.

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(a) [ ] the number designation of four mines. They were #5, #8, #9, and #15. [ ] Each mine had a Mine Director, who was responsible for all operations in his mine. This officer might break down the mine norm into norms for each level.

(b) All mine employees were registered in the Personnel Section.

(c) The Shift Superintendent was responsible for setting up the three shifts, for assigning workers to levels, and he might also assist the Mine Director in breaking down the norms per level. The Shift Superintendent was second in authority in the mine.

(d) The Level Supervisor was responsible for the operations in his level. Occasionally, a Level Supervisor may be charged with more than one level. In addition, there was a Level Supervisor Assistant, who was responsible for one particular shift. This individual was charged with control of the workers, property, equipment, and operation of the level during his shift. He answered to the Level Supervisor and to the Shift Superintendent.

(e) The Shaft Chief was responsible to the Mine Director and to the Shift Superintendent for the smooth operation of the main shaft. This included the operation of the elevators (one elevator went up as one went down), for hauling of uranium ore, material, and personnel up and down the shaft. The Shaft Chief

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Coordinate with the Level Supervisors.

(f) The Foremen were responsible to the Shift Superintendent and to the Level Supervisor for the supervision of the work by the miners.

(g) The Accounting Section kept the working time for each worker, computed the individual's pay, received the payroll from the Main Accounting Section, and paid the workers in its mine, excluding officers down to the Shaft Chief and Level Supervisor.

(4) The Geology Section examined veins of ore, determined direction of veins and directed the digging of corridors and of vertical or inclined shafts.

(5) The Supply Section procured and dispensed the supply and material needs of the mines.

(6) The Construction Section was responsible for all construction, excluding any construction in the mines. This office directed the building of homes, offices, warehouses, roads, waterworks, and other special projects. Of the approximate 2,000 workers in construction, about 80% were prisoners. The Plans Section did the drafting and planning of projects, and the Supply and Transport Section procured all building materials and satisfied transport requirements necessary for supporting the construction program.

(7) The Transport Section was responsible for fulfilling transport requirements for the Oblast, including the transport for the construction program.

(8) The Main Accounting Section reviewed the payroll and returned the payroll to the accounting section at the mine. The officers, chiefs, and supervisors were paid by the main accounting section. All pay complaints and discrepancies were handled by this office.

(9) Personnel - Employment Section hired new workers and processed discharged employees.

d. Operations (see Incl 8)

the mining operations at PRIBRAM, and the processing plant operations. In step five of the inclosure on operations, poor grades of ore were loaded in bulk on trucks and shipped to the Processing Plants when boxes were short in supply. Special grades of ore always had to be boxed before shipment. No ore was shipped directly to the USSR without being processed. In step 7, the size of the particles was approximately 1/8 of an inch in diameter. The uranium was loaded directly onto the trains at the processing plants, and was guarded by Czech soldiers as far as the Czech - USSR border.

e. Ore Grading (see Incl 9)

Uranium ore is graded in the mines by a geiger counter, which reads the radioactivity of the ore. The scale registers graduations from 0 to 300. The eight grades of ore have readings as follows:

(Specialka 1) Special Grade 1 : a reading of 250 to 300 on scale

(Specialka 2) Special Grade 2 : a reading of 200 to 250 on scale

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(Specialka 3) Special Grade 3 : a reading of 150 to 200 on the scale  
("A") Grade A : a reading of 100 to 150 on the scale  
("B") Grade B : a reading of 50 to 100 on the scale  
("C") Grade C : a reading of 0 to 50 on the scale.

Grade SK, a poorer grade ore, and Grade U ("SK" and "U" are Russian designations - meaning is unknown), the poorest ore, are detected only by a sounding in the Geiger counter earphones.

The final determination as to what grade the ore falls into is made by the measuring instrument at the surface of the mine. The ores in grade of U and SK are each leaped on piles, classed as reserves, and are not shipped from the mine area. The special grades of ore are called "smolka". The quality of this "smolka" in the PRIBRAM Oblast is indicated by the weight of the tin boxes with ore (40 x 40 x 40 cm) which are:

Special Grade 1 : 110 to 120 kg  
Special Grade 2 : 100 to 110 kg  
Special Grade 3 : 90 to 100 kg

Grades A, B, C weigh from 50 to 90 kg.

#### f. Output

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The figures for the norm were of common interest and knowledge to the employees of the mine. The actual norm figures were given down to the foremen.

monthly norm for Sept 57 was between 130 and 150 tons of uranium ore (mine #6), excluding Grade U and Grade SK. This monthly norm figure had gradually increased since Nov 56, when it was approximately 100 tons.

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the norm will increase. The norms were always fulfilled was at PRIBRAM. The amount of special grade ore fluctuates from month to month.

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an average figure would be from 20 to 30% of the total output. The percentage of special grade ore in Sept 57 was 40%; in Dec 56, it was 50%.

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the workers received more pay when higher quality uranium ore was mined.

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With regard to output of other mines,

(1) From hearsay, source learned that mine #5 mined about 10% less ore than mine #6.

(2) From hearsay, source learned that mine #9 mined about 20% less ore than mine #6.

(3) Mine #15 mined very little ore in comparison with mine #6, because mine #15 was relatively new and had only two levels in operation.

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Equipment(1) The Geiger Counter (see Incl 9)

The Geiger counter used to measure uranium content in ore in the mines was Russian manufactured. It was enclosed in a metal container, colored OD, and weighed approximately five kg. Attached to the instrument was a harness, made of leather or canvas, which hung over the shoulders and strapped about the operator's body so that the instrument was positioned in front. A set of earphones on a headset was connected to the instrument. The earphones produced a buzzing sound when the operator was examining uranium ore. The sound was loudest when uranium ore was of the highest quality. This sound device acted as a check on the scale reading and vice versa. If one did not register accordingly, the instrument was functioning improperly. The sound and scale regulators could be adjusted so as to give a maximum reading of less than 300. These regulators had about four positions.

The 95 cm pointer, which was placed on the uranium ore, was called a "hockey stick". The Geiger counter was known to have many malfunctions, which were related to the earphones, the needle, and to the "hockey stick" when it became wet. Mine #6 had between 200 and 300 sets of these measuring instruments.

(2) The RKS

The most important instrument to measure uranium content in the ore was the Russian-manufactured RKS, which was located at the surface of the mine. All of the loaded rail carts passed this instrument, and the ore was officially graded by a Russian, who was the only individual to operate this RKS.

the RKS was about 80 cm high, 80 cm wide, and 120 cm long. It looked like a desk with scales on the face of the desk.

(3) The Mine Locomotive

A small electric locomotive of Russian design and manufacture was used to pull the small rail carts for hauling the ore in the mines. The size of this locomotive was approximately 75 cm wide, 125 cm high, and 150 cm long. It could pull 30 rail carts loaded with uranium ore. There were two electric locomotives per level. Locomotives were marked in Russian with "ZABOD 225" (Factory 225).

(4) Pneumatic Drill

A pneumatic drill for boring was a Czech product, which weighed approximately 18 kg. It was made of steel and cast iron. The height of this machine could be regulated from 100 cm to 200 cm. The length was approximately 50 cm, and the length of the drill varied from one to four meters. This piece of equipment was manufactured by the VITKOVICE Zelezarny (VITKOVICE Iron Works).

(5) Excavators

Two makes of excavators were in use at PRIBRAM. One was Russian manufactured, and this was the only one used between 1946 and 1950. The better excavator, considered to be a very good machine, is a Czech product, which came into use in 1950. The CKD (Cesko Moravska Kolben Danek - Bohemian Moravian Kolben Danek), in PRAGUE and other cities, manufactures this Czech excavator. There were approximately 20 excavators in mine #6.

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**(6) Theodolite**

A theodolite for measuring angles and distances is a Czech product manufactured by the Meopta Company. There were about six theodolites in mine #6.

**h. Payment**

The Czechoslovak State Bank, in PRAGUE, made payments to the Czechoslovak State Bank Branches in the Oblasts, who, in turn, paid the main accounting section of the Oblast. (see also para 1.f.)

**i. Working conditions**

Workers<sup>e</sup> connected with the uranium mines in the CSR are the highest paid of any group in the country. The average pay for an employee of mine #6 was 3,500 korun (crowns) monthly. In comparison, the average pay for an office worker was 1,000 korun monthly. An industrial worker earned 1,500 korun monthly, and a coal miner earned from 1,200 to 2,500 kr monthly.

The average mine employee at PRIBRAM earned from 1200 to 10,000 kr monthly. The main director of the Oblast received about 8,000 kr plus a bonus. The mine director received about 5,000 kr plus a bonus up to 3,000 kr.

Complete medical facilities and hospital care were available, including dental work and the issue of eyeglasses, to all workers and their families, free of charge. A dispensary served each mine. The public hospital in the city accommodated the more serious cases. Sanitariums were available just for employees connected with the uranium program.

When a married employee with 10 years service is hospitalized, he gets 90% pay of the average monthly pay for the past three months. An employee with five to ten years service, gets 80%, and an employee with less than five years service receives 60% pay. Single workers receive less pay during hospitalization or home confinement than do the married workers. In addition, these hospitalized workers receive compensation from the ROH (Revolucni Odborove Hnutí - Revolutionary Trade Union Movement).

Ten years ago the pay was about five times the pay of 1957. However, consumer goods were more scarce. Five years ago the buying power of pay received was worth generally about what it is worth now, but the hospitalization pay and the compensation was about half of what it was in 1957. Also, the norms were smaller at that time, and miners did not labor as hard as they do now.

50X1-HUM

the take-home pay in 1958 will decrease about 2 to 3%, that the cost of living will be about the same, and that a small decrease in the cost of some items, such as cars and other luxuries, will take place.

The Soviets who worked in the mines up to 1957 received more pay than do the Czech officials and engineers who have been holding those offices since 1 Jan 57. The former main director at PRIBRAM, a Russian, received 16,000 kr monthly.

A new housing project has been built to accommodate the workers in the PRIBRAM Oblast. This community is NOVE SIDLISTE, located on the Southwest edge of PRIBRAM.

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PAGE

12

The mines operated on three shifts. Shifts change at 0600, 1400, and 2200 hours. Work was optional on Sundays.

#### j. Expansion

In Oblast PRIBRAM there are mines which have been prepared for mining operations and which have not been touched as yet, others which are being prepared, and of those mines in operation there are sufficient deposits of ore to warrant the drilling of from 10 to 18 more levels. It takes approximately one year to put a new level into operation. It is certain that PRIBRAM has enough uranium ore deposits to continue mining for from 20 to 30 years. It is very probable that it has more deposits. The housing project at NOVE SIDLISTE, which accommodates about 10,000 people, will be expanded to afford housing for 20,000 by 1960. This housing area is primarily occupied by uranium employees.

#### k. Additional Notes

At the entrance to each mine was a 20 m tower with a cable, which connected to a power unit and to the elevators. The opening for the main shaft of a mine was approximately 3 m x 9 m. In the vicinity of the mine were huge mounds of earth fill and grades U and Sk uranium ore.

The mines in the area of BYTIZ, LESETICE, and KAMENNA have mostly prisoners as workers. Source stated that about 80% of the workers here are prisoners. Most of the workers involved in construction are also prisoners. These men are billeted in a prison camp at BYTIZ.

#### 5. Oblast MARIANSKE LAZNE

In this Oblast, graphite deposits in the area limit mining of uranium, and consequently will limit future expansion. In 1957, two mines were closed down at KLADSKO. These mines had begun mining operations in 1950. They had produced a high content uranium ore, but the quantity was limited, and therefore the mines closed down. from 200 to 300 workers were involved in the finishing operations at KLADSKO. The ore at KLADSKO was primarily grade A.

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#### a. Mines of Oblast MARIANSKE LAZNE

(1) Mine #2 began mining operations in 1952. The mine depth was about 335 m. It had seven levels and was to expand. The first two levels had exhausted their uranium ore. Levels were from two to three km long. Mine #3, which began operations in 1953, was similar to mine #2, and the two mines, together, employed from 800 to 900 men.

(2) Mine #1 began mining operations in 1951. It was also similar to mine #2, but it employed about 800.

#### b. Location of Headquarters (see Incl 10)

The headquarters of the Oblast MARIANSKE LAZNE is located in the city of MARIANSKE LAZNE. The headquarters office occupies three buildings, adjacent to the Hotel Vltava.

#### c. Operations

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Operations were generally the same as at PRIBRAM. Because the quality of ore was poorer than at PRIBRAM, the uranium ore was dumped in bulk into open rail carts more often than at PRIBRAM.

#### d. Ore Grading

Ore was graded in the same manner as at PRIBRAM. However, because of the lower quality of ore at MARIANSKE LAZNE, the scale regulator and the sound regulator were so adjusted that a grade A ore could register on the scale between 200 and 250. The object of this re-adjustment was to arrive at more sensitive readings. There was very little special grade ore in this Oblast at the time source was there.

#### e. Output

Source stated that Mine #2 had a steady output of about 400 to 450 tons of uranium ore monthly. Production by mine #3 was considered about the same. The reason for the difference between production at mine #6 PRIBRAM and these two mines at MARIANSKE LAZNE was attributed to the fact that although these mines had the same number of levels in operation, the veins of uranium ore at MARIANSKE LAZNE were much larger than those at PRIBRAM. The breakdown by grades was approximately as follows: 5% of special grade 3, 70% of grade A, 10% of grade B, 10% of grade C, and 5% of grade Si. [redacted] an approximation of 100 tons of grade SK and U, which were not included in the 450 ton figure above, and which were not shipped from the mine area.

[redacted] production in mine #2 and mine #3 in 1955 was about 50X1-HUM less, and that production in 1954 was about 20% less than that of 1956. 50X1-HUM

With the beginning of operations in level #8 in mine #2 [redacted] MARIANSKE LAZNE, [redacted] Special Grade 2 would be mined. 50X1-HUM believed the same was to occur in mine #3 and mine #1. The remaining two mines 50X1-HUM were just beginning operations in 1956, and [redacted] no information on them. 50X1-HUM

[redacted] possibly, the monthly norms were not always fulfilled, but that the yearly norms were fulfilled [redacted] 50X1-HUM

#### f. Equipment

Instruments and machines were the same as those used at PRIBRAM. Most of the geiger counter measuring devices had the short pointer ("hockey stick"), which caused some discomfort in reading the ore as the operator had to bend more often.

#### 6. Note On East Bohemian Hard Coal Mines

Between 1954 and September 1957, Oblast TRUTNOV conducted test drills for uranium ore in the mining area of the East Bohemian Hard Coal Mines (Vychodocenska Kamenovhelina Doly). This drilling ceased in 1957, either because the tests showed a very inferior grade of uranium ore or showed results altogether negative. At present, there is no connection between this coal company and the uranium program in the CSR.

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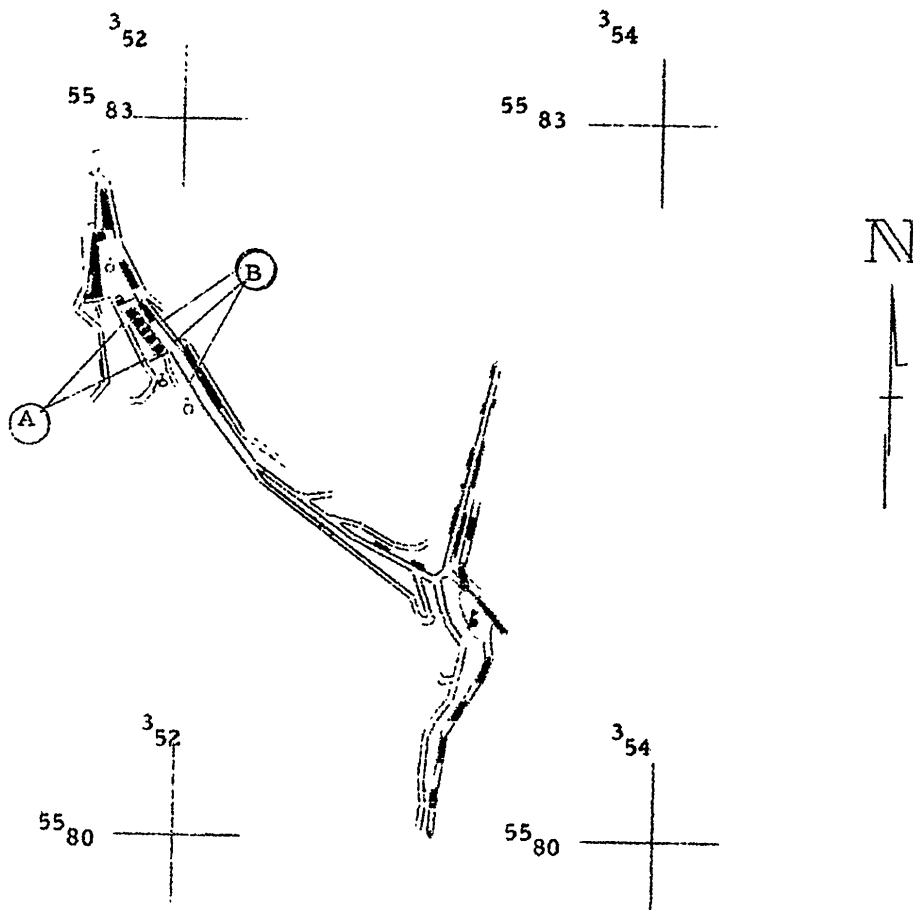
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PAGE

1 of  
1Uranium Mining in the CSR (C)Inclosure 2Sketch, Main Directorate, JACHYMOVMap Reference:

Czechoslovakia 1:25,000

LICHTENSTADT WEST, sheet 3850/3W

BOZIDAR WEST, sheet 3850/1W

LEGEND:

- A. Main Directorate consisting of about four small pensions, each having 3 to 5 floors.
- B. Bus Stop - which accommodates 20 to 30 busses for transporting miners to work

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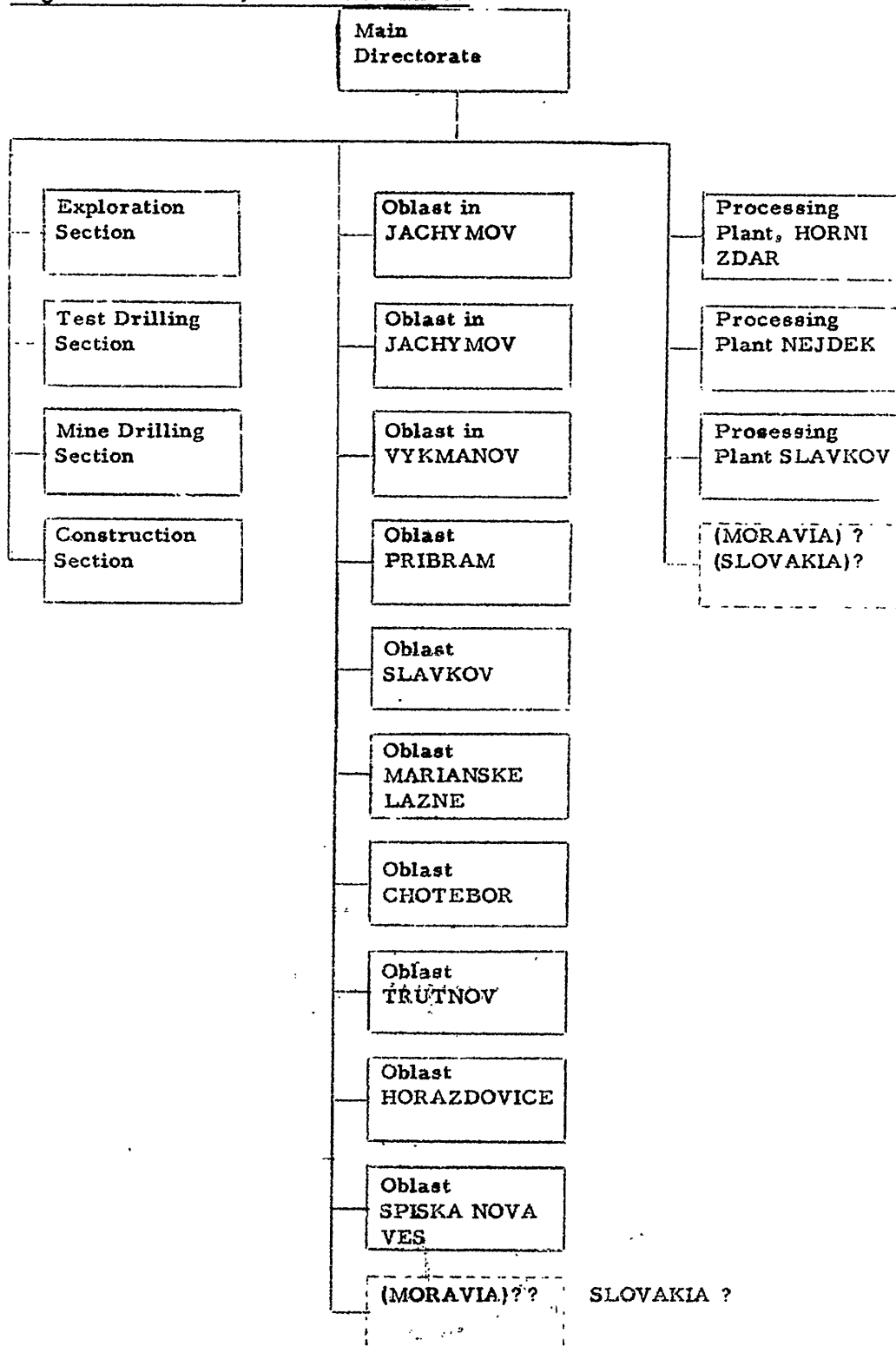
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## DA INTELLIGENCE REPORT

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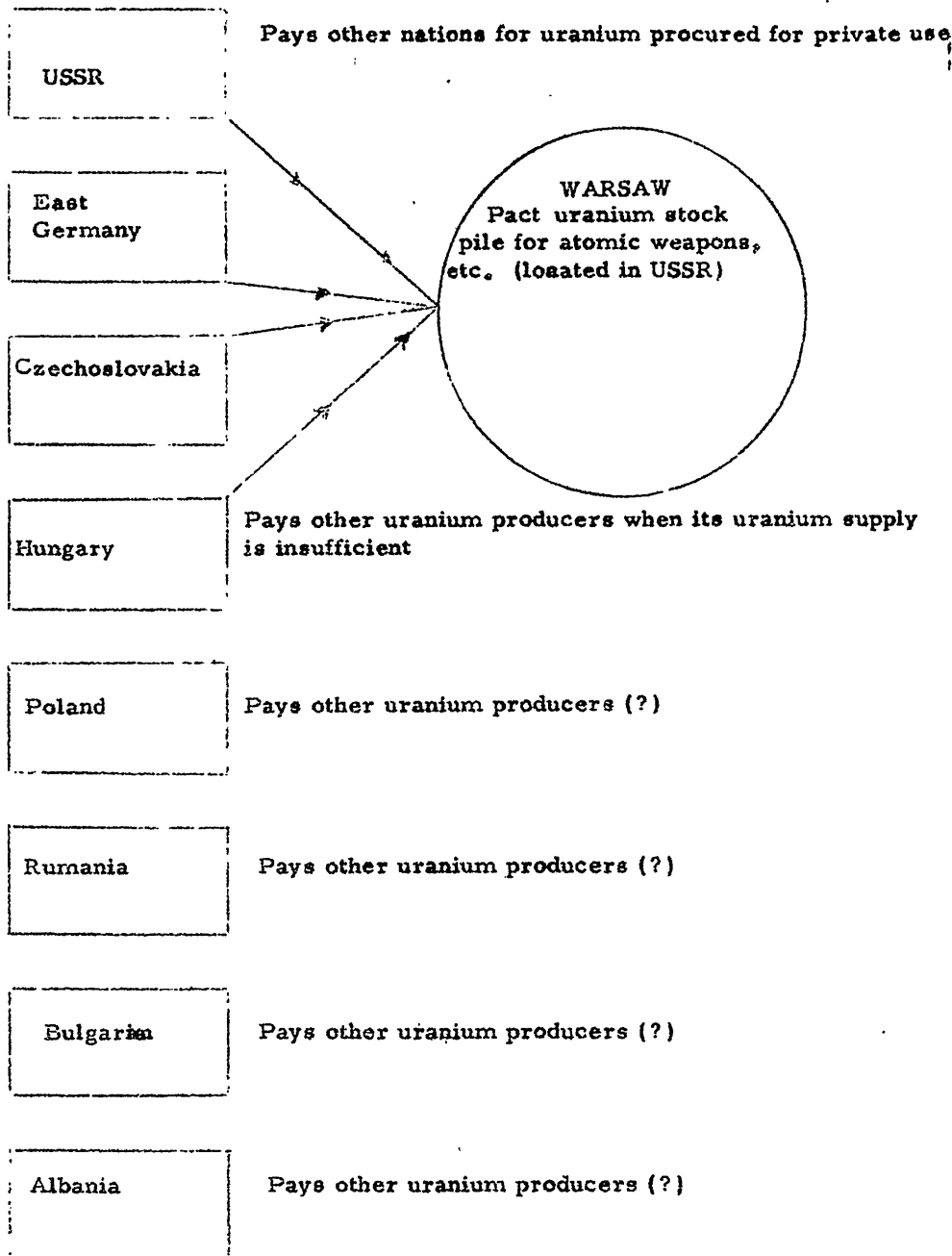
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Uranium Mining in the CSR (C)

Inclosure 4

Chart, WARSAW Pact Uranium Payments



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**Inclosure 5**

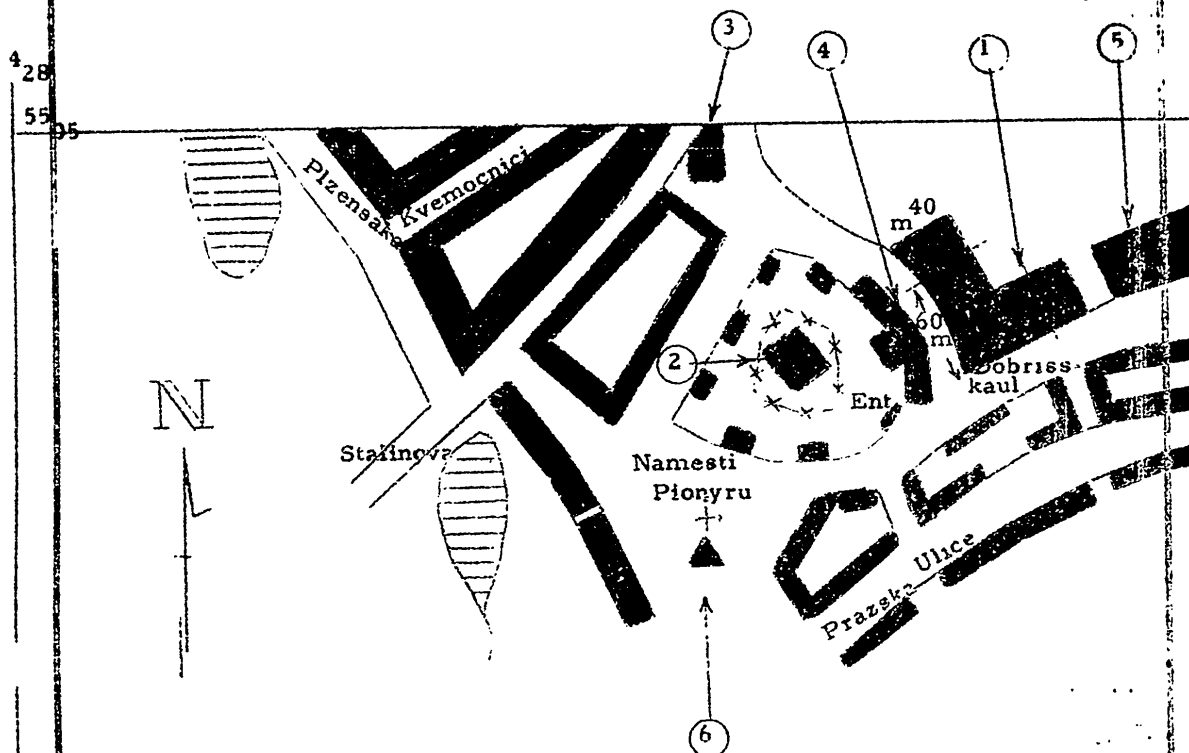
Location, Directorate at Oblast PRIBRAM

**Map Reference:**

Czechoslovakia 1:25,000

**PRIBRAM EAST**

Sheet 4152/1E



LEGEND:

1. Directorate, Oblast PRIBRAM
2. Research Institute Ore Laboratory (Vyskumny Ustav Rud Laboratore)
3. SNB building
4. Main Post Office
5. Nursing School (Zdravotnicka ISkola)
6. Pioneers' Square (Namesti Pionyrů)

(U1 or Ulice - Street)

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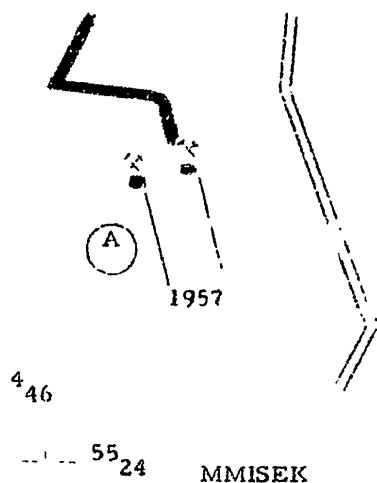
1 of  
1

# Uranium Mining in the CSR (C)

## Inclosure 6 A

### Overlay, Mines in Oblast PRIBRAM

Map Reference:  
Czechoslovakia 1:25,000  
Sheet 4052/4E & 2E  
AMS Series M872  
DOBRIS East

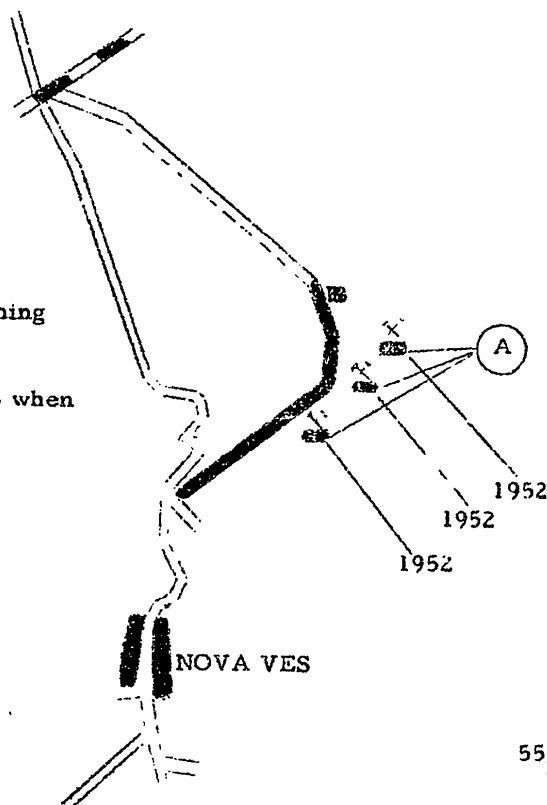


#### LEGEND:

A Uranium deposits not  
being mined as yet

B: Designate new highways  
built to accommodate mining  
program.

Year notation designates when  
test drills were mined.



55  
20

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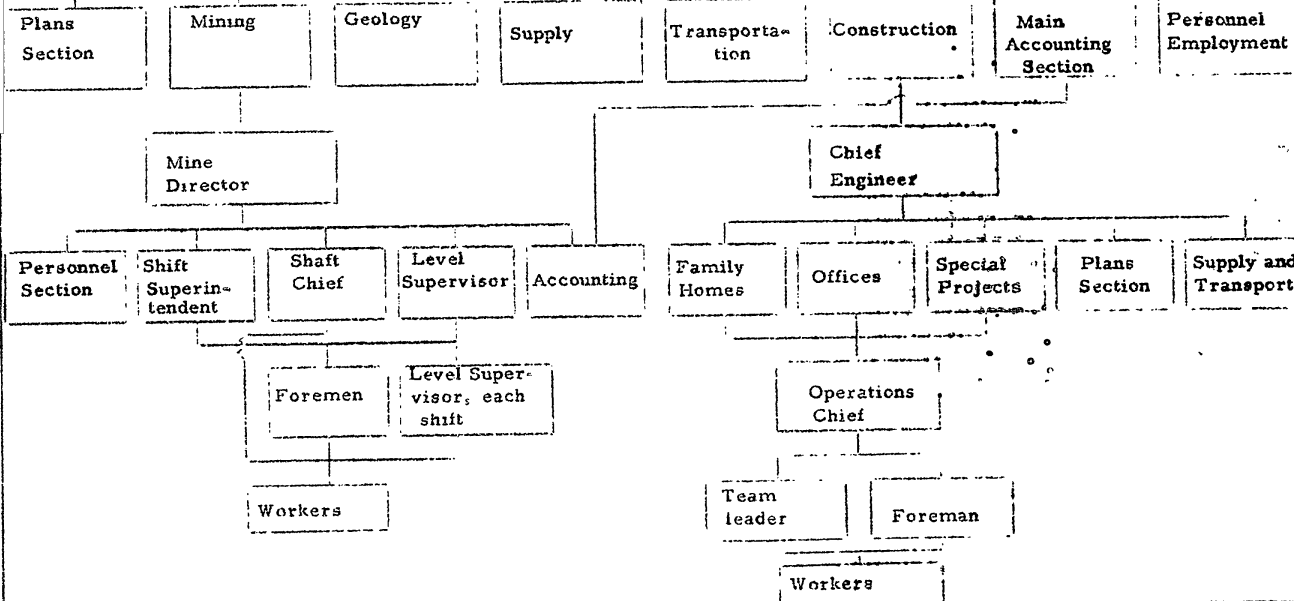
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PAGE  
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1Uranium Mining in the CSR(C)Inclosure 7Organizational Chart, Oblast PRIBRAMDirectorate  
Oblast PRIBRAM

Political Officer

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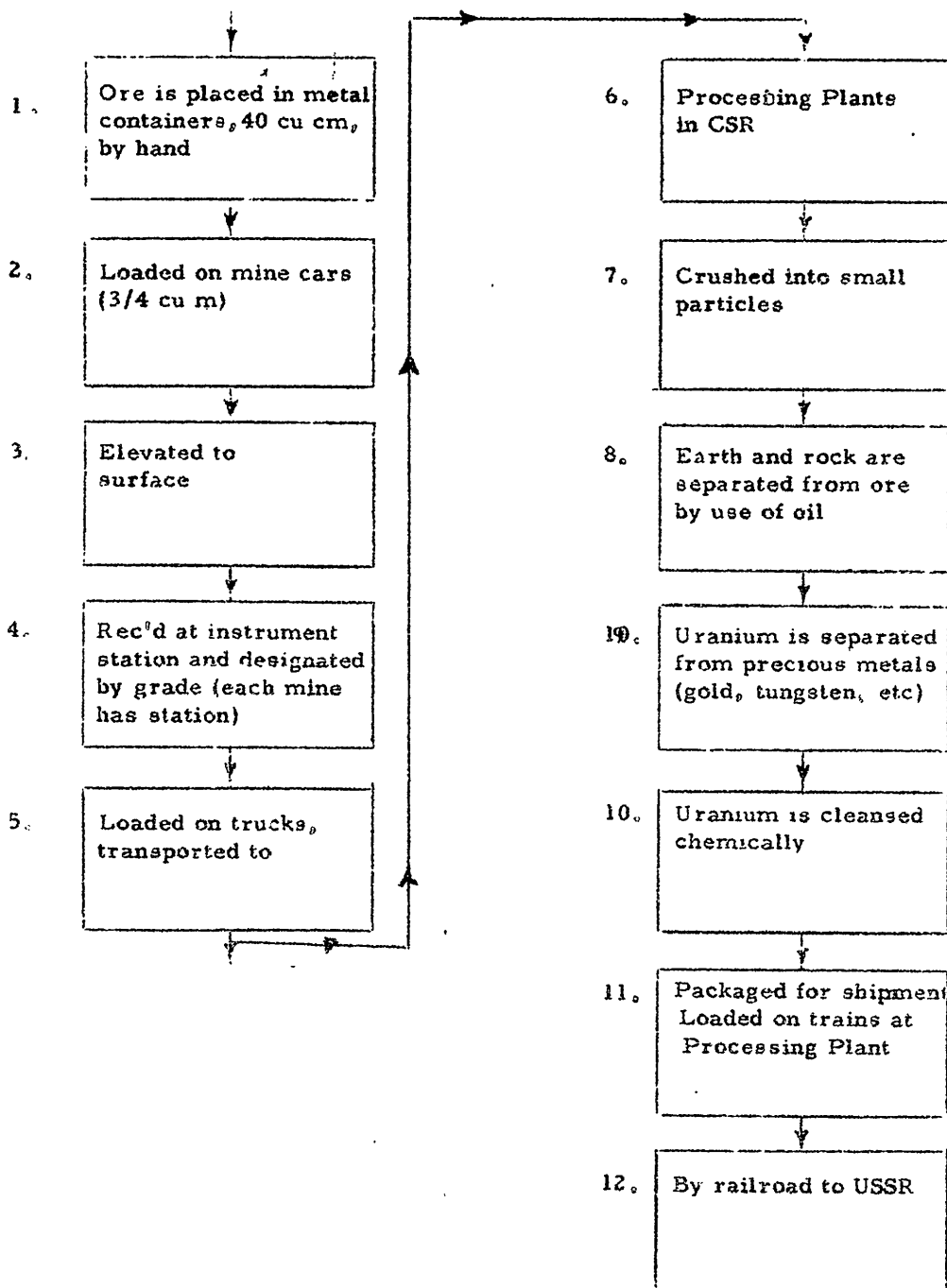
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Uranium Mining in the CSR (C)

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Inclosure 8

Chart Showing Movement of Ore From Mine to Shipment



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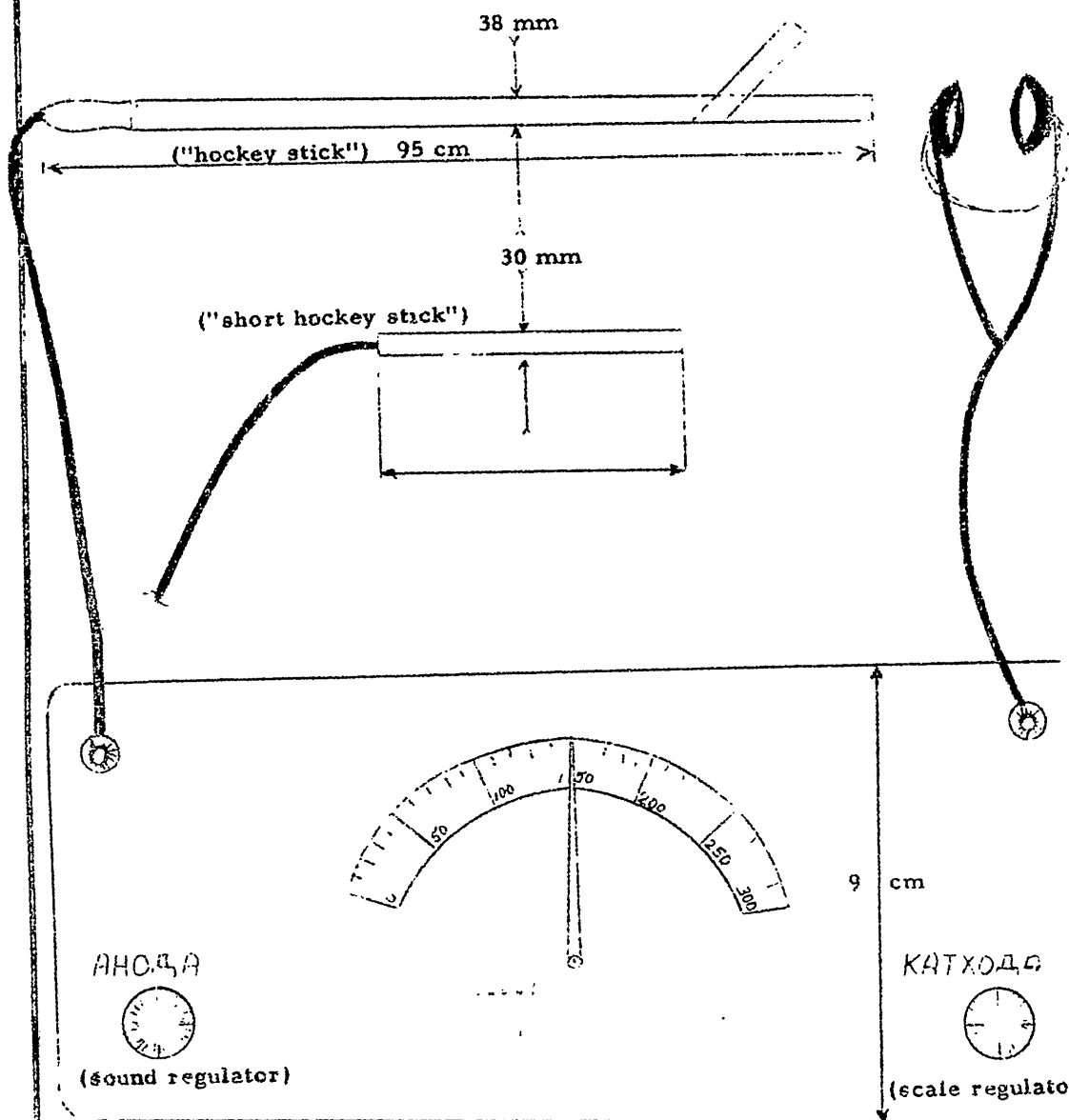
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Uranium Mining in the CSR (C)

Inclosure 9

Sketch of Geiger Counter Device

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Uranium Mining in the CSR (C)

50X1-HUM

Inlosure 10

Location, Directorate at Oblast MARIANSKE LAZNE

35  
5  
39

Karlovarska

R  
U  
D  
E  
A  
R  
M  
A  
D  
Y

LEGEND:

1. Directorate, MARIANSKE LAZNE
2. Hotel Vltava

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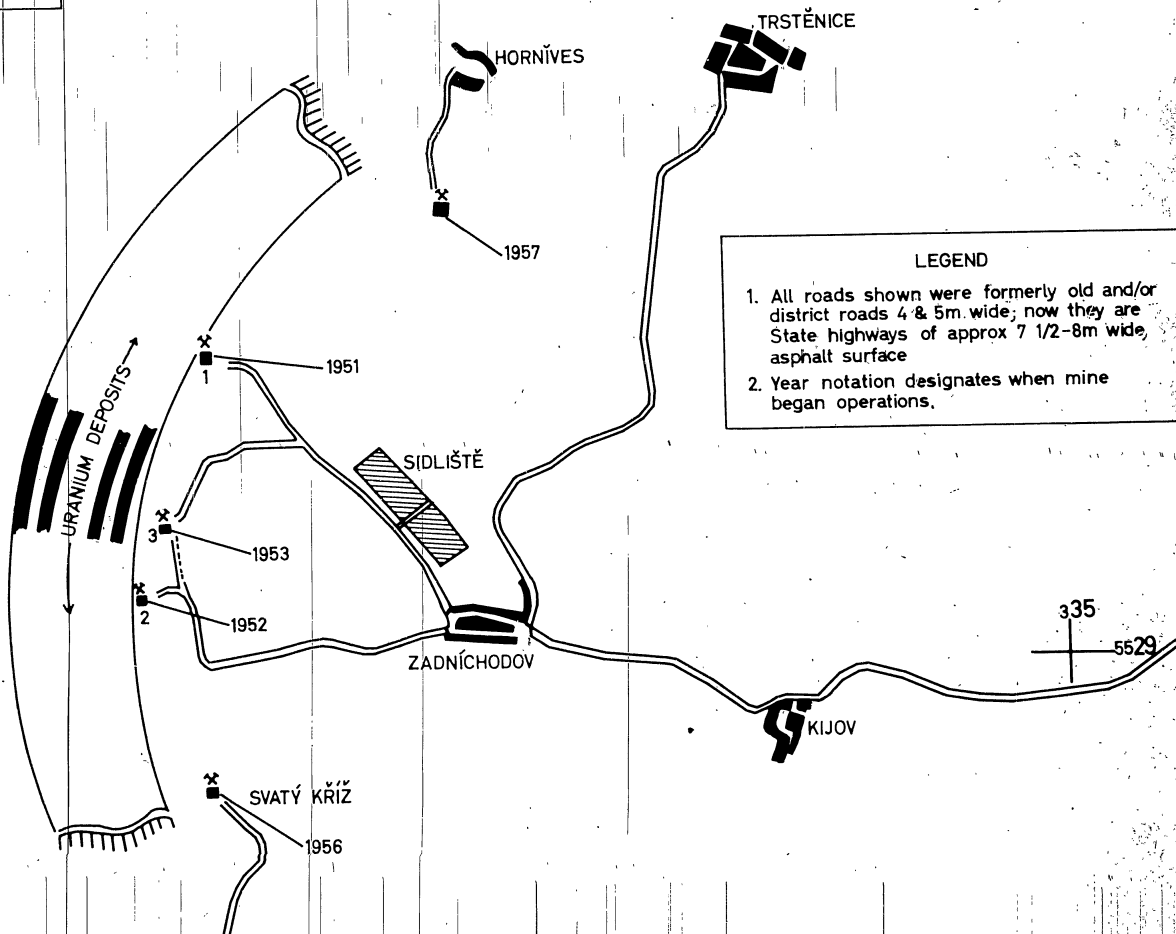
# Uranium Mining in the CSR

## Inclosure 11

### Mines in Oblast MARIANSKE LAZNE

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MAP REFERENCE  
CZECHOSLOVAKIA 1:25,000  
KUTTENPLAN WEST  
SHEET 4049/2W  
AMS SERIES M872



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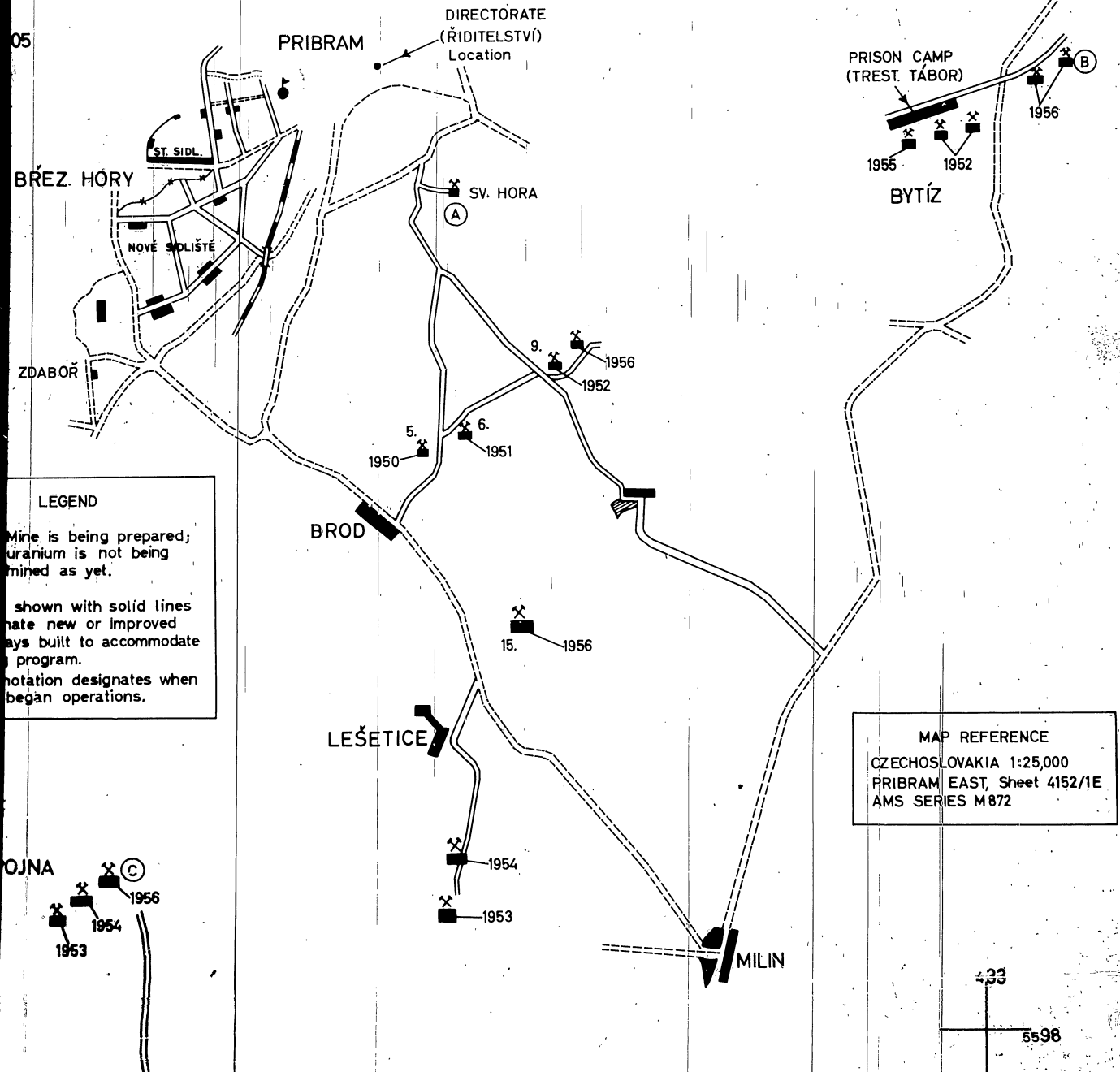
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## Uranium Mining in the CSR

## Inclosure 6

## Mines in Oblast PRIBRAM

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